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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/678,838

10/04/2000

Jun Hyeong Lee

IPS-003

4862

34610

7590

04/03/2003

FLESHNER & KIM, LLP
P.O. BOX 221200
CHANTILLY, VA 20153

EXAMINER

LEE, MICHAEL

ART UNIT

PAPER NUMBER

2614

DATE MAILED: 04/03/2003

5

Please find below and/or attached an Office communication concerning this application or proceeding.



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Office Action Summary

Application No.

09/678,838

Applicant(s)

LEE, JUN HYEONG

Examiner

M. Lee

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 October 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 6 is/are rejected.
- 7) ☒ Claim(s) 4,5 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-3, and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fujimori (5,963,266) in view of Emori (JP402146875).

Regarding claim 1, Fujimori shows a control section (2), an OSD generating section (8), an image amplifying section (4), and a display section (7), except the guideline information providing section, and the image signal generator as claimed. Emori, from the similar field of endeavor, teaches the guideline information providing section (Figure 2, CPU) and the image signal generator (Figure 2) as claimed. It is well known that adding a picture frame or border to an image, the cosmetic appearance of the image can be enhanced. For instance, in the computer display area, borders or frames are usually added to windows in order to make each window distinct from one another. Without the borders, a foreground image and a background would have become very difficult to discern. Hence, in order to enhance the cosmetic appearance of the image in Fujimori, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include the border generator of Emori into Fujimori to perform the well known functions as claimed. In doing so, the control section in Fujimori would have to be modified also in order to issue a command signal to the border generator of Emori so that border signal can be added to an input signal.

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Regarding claim 2, the CPU in Emori provides the border thickness data (note latch 23). A color data is also inherently included since the border itself must have some sort of color.

Regarding claims 3 and 6, in addition of above, the CPU in Emori also includes beginning and ending positions of an active region of the image signal (note latches 21 and 22, and the last sentence of the abstract). In order to reduce the circuitry size of the combination of Fujimori and Emori, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine both CPUs of Fujimori and Emori to perform the well known functions as claimed.

Allowable Subject Matter

3. Claims 4 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

4. The following is a statement of reasons for the indication of allowable subject matter: Prior art does not teach or suggest the active region detector included in the control section as claimed.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Cho (6,307,596) shows an OSD system.

Wu (6,195,087) shows prior art OSD circuit.

Patton et al. (6,008,860) shows a border inserter.

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Kim et al. (6,130,659) shows a controller section.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number is **703-305-4743**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **John Miller**, can be reached at **703-305-4795**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.



M. Lee
Primary Examiner
Art Unit 2614

March 5, 2003